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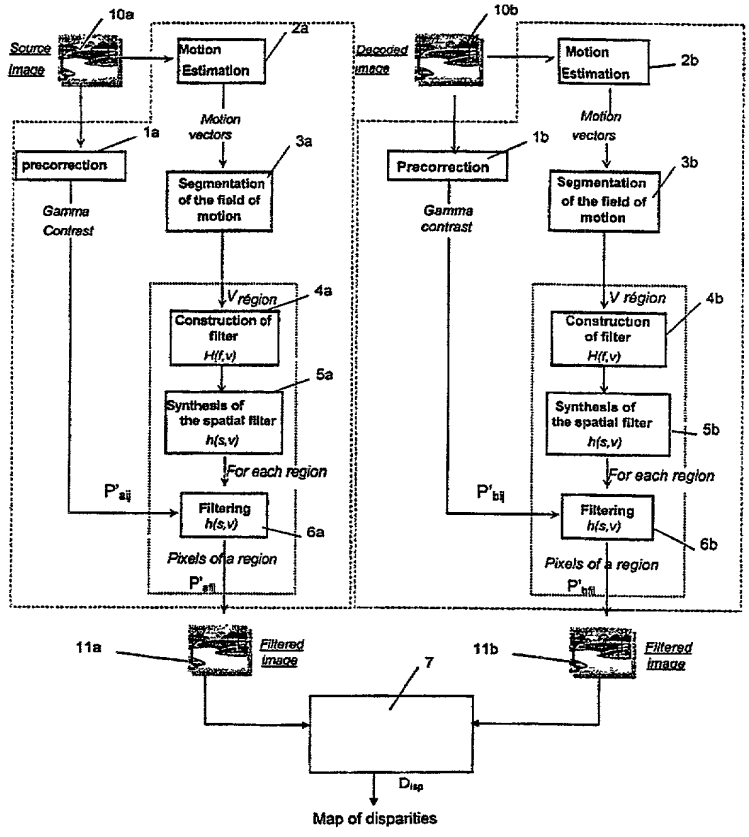
(54) Title: PROCESS, DEVICE AND USE FOR EVALUATING CODED IMAGES

(57) Abstract

The present invention relates to a process for evaluating the quality of coded images, characterized in that it comprises: a) a step of processing the signal representative of the image so as to obtain a processed signal, b) a step of constructing on the basis of the signal representative of the coded image, a signal representative of the field of motion image on the basis of the source sequence, c) a step of building a signal representative of the segmenting of the field of motion and of storing the image pixels representative of each region having a different field of motion at an address defined with respect to the velocity vectors estimated in the step of constructing the field of motion making it possible to determine the pixels having different velocity vectors, d) a step of determining or of calculating a psychovisual human filter to be applied as a function of the estimated velocity of the region, e) a step of filtering the processed signal, and f) a step of constructing the map of disparities between the signals representative of the image which are obtained after the filtering step and the signals representative of the decoded image which are obtained after the filtering step.



ABSTRACT

The present invention relates to a process for evaluating the quality of coded images, characterized in that it comprises:

a) a step of processing the signal representative of the image so as to obtain a processed signal,

b) a step of constructing on the basis of the signal representative of the coded image, a signal representative of the field of motion image on the basis of the source sequence,

c) a step of building a signal representative of the segmenting of the field of motion and of storing the image pixels representative of each region having a different field of motion at an address defined with respect to the velocity vectors estimated in the step of constructing the field of motion making it possible to determine the pixels having different velocity vectors,

d) a step of determining or of calculating a psychovisual human filter to be applied as a function of the estimated velocity of the region,

e) a step of filtering the processed signal, and

f) a step of constructing the map of disparities between the signals representative of the image which are obtained after the filtering step and the signals representative of the decoded image which are obtained after the filtering step.